

INFORMATION DISCLOSURE CITATION PTO-1449 MAIL DATE CANCELLED SEP 1 5 2003 PATENT & TRADEMARK OFFICE				ATTY. DOCKET NO. A-67207/DJB/RMS		SERIAL NO. 08/944,850	
APPLICANT Walt et al.							
FILING DATE October 6, 1997						GROUP 2878	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
CH	A	4,822,746	4/1989	Walt			
CH	B	5,002,867	3/1991	Macevicz			
CH	C	5,114,864	5/1992	Walt			
CH	D	5,132,242	7/1992	Cheung			
CH	E	5,143,853	9/1992	Walt			
CH	F	5,194,300	3/1993	Cheung			
CH	G	5,244,636	9/1993	Walt et al.			
CH	H	5,244,813	9/1993	Walt et al.			
CH	I	5,250,264	10/1993	Walt et al.			
CH	J	5,252,494	10/1993	Walt			
CH	K	5,254,477	10/1993	Walt			
CH	M	5,298,741	3/1994	Walt et al.			
CH	N	5,320,814	6/1994	Walt et al.			
CH	O	5,496,997	3/1996	Pope			
CH	P	5,512,490	4/1996	Walt et al.			
CH	Q	5,573,909	11/1996	Singer et al.			
CH	R	5,633,972	5/1997	Walt et al.			
CH	S	5,565,324	10/1996	Still et al.			
CH	T	5,690,894	11/1997	Pinkel et al.			
CH	U	4,200,110	4/1980	Peterson et al.			
EXAMINER				DATE CONSIDERED			
CONSTANTINE HANNAHER				NOV 2 2000			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS								
EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
CH	V	4,682,895	7/1987	Costello	_____	_____		
CH	W	4,785,814	11/1988	Kane	_____	_____		
CH	X	5,814,524	9/1998	Walt et al.	_____	_____		
CH	Y	4,499,052	2/1985	Fulwyler	_____	_____		
CH	Z	5,105,305	4/1992	Betzig et al.	_____	_____		
CH	AA	5,302,509	4/1994	Cheeseman	_____	_____		
CH	BB	5,494,798	2/1996	Gerd et al.	_____	_____		
CH	CC	5,435,724	7/1995	Goodman et al.	_____	_____		
CH	DD	5,028,545	7/1991	Soini	_____	_____		
CH	EE	SN 08/818,199	3/1997	Walt et al.	_____	_____		
CH	FF	SN 08/851,203	5/1997	Walt et al.	_____	_____		
FOREIGN PATENT DOCUMENTS								
EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
CH	GG	0478 319	4/1992	EP	_____	_____		
CH	HH	0269764	6/1988	EP	_____	_____		
CH	II	93/02360	2/1993	PCT	_____	_____		
CH	JJ	89/11101	11/1989	PCT	_____	_____		
CH	KK	97/14028	4/1997	PCT	_____	_____		
CH	LL	0 723 146	7/1996	EP	_____	_____		

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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CH	MM	5,308,771	6/1994	Zhou et al.			
CH	NN	5,380,489	1/1995	Sutton et al.			
CH	OO	5,888,723	3/1999	Sutton et al.			
CH	PP	5,900,481	5/1999	Lough et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
CH	QQ	98/53300	11/1998	PCT				
CH	RR	94/12863	6/1994	PCT				
CH	SS	97/12030	4/1997	PCT				
CH	TT	2 294 319	4/1996	GB				

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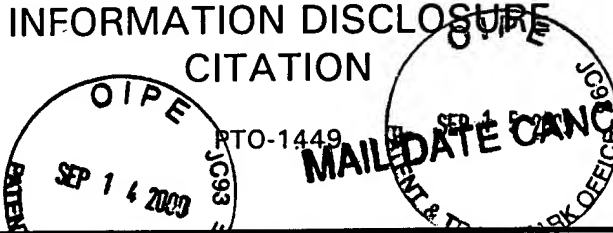
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CH		Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bang Laboratories, (Fishers, IN) February 1997.	
CH	2	Anonymous, "Microsphere Selection Guide," Bangs Laboratories, (Fisher, IN) September 1998.	
CH	3	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.	
CH	4	Healey, B., et al. "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," SPIE 2388:568-573 (1995).	
CH	5	Healey, B., et al. "Improved Fiber-Optic Chemical Sensor for Penicillin," Analytical Chemistry, 67(24): 4471-4476 (1995).	
CH	6	Michael, K., et al. "Fabrication of Micro- and Nanostructures Using Optical Imaging Fibers and Their Use as Chemical Sensors," Electrochemical Society Proceedings 97-5: 153-158 (1997).	
CH	7	Pantoano, P. et al., "Ordered nanowell Arrays," Chem. Mater., 8:2832-2835 (1996).	
CH	8	Peterson, J. et al., "Fiber Optic pH Probe for Physiological Use," Anal. Chem., 52:864-869 (1980).	
CH	9	Pope, E. "Fiber Optic Chemical Microsensors Employing Optically Active Silica Microspheres," SPIE, 2388:245-256 (1995).	
CH	10	Walt, D. "Fiber-Optic Sensors for Continuous Clinical Monitoring," Proceedings of the IEEE, 80(6):903-911 (1992).	
CH	11	Ferguson, J. et al. "A Fiber-Optic DNA Biosensor Microarray for the Analysis of Gene Expression," Nature Biotechnology, 14:1681-1684 (1996).	
CH	12	Healey, B. et al. "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).	
CH	13	Piuino, P. et al. "Fiber-Optic DNA Sensor for Fluorometric Nucleic Acid Determination," Anal. Chem. 67:2635-2643 (1995).	
CH	14	Abel, A. et al. "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).	
CH	15	Strachan, N.J.C. et al. "A Rapid General Method for the Identification of PCR Products Using a Fibre-Optic Biosensor and its Application to the detection of <i>Listeria</i> ," Letters in Applied Microbiology, 21:5-9 (1995).	
CH	16	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (26 September 1991).	
CH	17	Fuh, et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).	
CH	18	Hirschfeld, et al., "Laser-Fiber-Optic "Optrode" for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (July 1987).	
CH	19	Mignani, et al., "In-Vivo Biomedical Monitoring by Fiber-Optic Systems," Journal of Lightwave Technology, 13(7): 1396-1406 (1995).	
CH	20	Peterson, et al., "Fiber-Optic Sensors for Biomedical Applications," Science, 13:123-127 (1984).	
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